

About refrigerators

Kouvara, Asimina Undisciplined Environments 2023 <https://undisciplinedenvironments.org/2023/01/24/about-refrigerators/>

Akadeemik Jarek Kurnitski tutvustab teekaarti, mis juhata Tehnikaülikooli kadunud megavati otsingule

Kurnitski, Jarek digi.geenius.ee 2025 <https://digi.geenius.ee/blogi/teadus-ja-tulevik/akadeemik-jarek-kurnitski-tutvustab-teekaarti-mis-juhata-tehnikaukooli-kadunud-megavati-otsingule/>

Analysis of energy development perspectives : defence of the doctoral thesis

Hamburg, Arvi Oil shale 2010 / 3, p. 275 : portr https://artiklid.elnet.ee/record=b2427673*est

Analysis of energy development perspectives = Energeetika arenguperspektiivide analüüs

Hamburg, Arvi 2010 <https://digi.lib.ttu.ee/ii/?493> https://www.ester.ee/record=b2604912*est

Analysis of energy use in detached houses to determine energy performance requirements in Estonia

Ilomets, Simo; Kalamees, Targo; Kõiv, Teet-Andrus Proceedings of Clima2010 10th Rehva World Congress "Sustainable Energy Use in Buildings" : Antalya, 9-12.05.2010 2010 / [8] p

Analysis of operation times and electrical storage dimensioning for energy consumption shifting and balancing in residential areas

Rosin, Argo; Auväär, Aivar; Lebedev, Denis Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 15-20 : ill https://www.researchgate.net/publication/268406195_Analysis_of_Operation_Times_and_Electrical_Storage_Dimensioning_for_Energy_Consumption_Shifting_and_Balancing_in_Residential_Areas

Analyzing meta-heuristic algorithms for task scheduling in a fog-based IoT application

Rahbari, Dadmehr Algorithms 2022 / art. 397 <https://doi.org/10.3390/a15110397> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Applying reinforcement learning method for real-time energy management

Borhan Dayani, Aida; Fazlollahtabar, Hamed; Ahmadihangar, Roya; Rosin, Argo 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) 2019 / 5 p. : ill <https://doi.org/10.1109/EEEIC.2019.8783766>

Argo Rosin, Imre Drovta: Rohepööre transpordis on utoopiline [Võrguväljaanne]

Rosin, Argo; Drovta, Imre postimees.ee 2021 ["Argo Rosin, Imre Drovta: Rohepööre transpordis on utoopiline"](https://postimees.ee/2021/05/12/argo-rosin-imre-drovta-rohepoore-transpordis-on-utoopiline/)

Argo Rosin: kas rohepööre või rohepöörasus? [Võrguväljaanne]

Rosin, Argo postimees.ee 2021 ["Argo Rosin: kas rohepööre või rohepöörasus?"](https://postimees.ee/2021/05/12/argo-rosin-kas-rohepoore-voi-rohepoorasus/)

Assessing demand side flexibility with renewable energy resources [Electronic resource]

Mishra, Sambeet; Koduver, Hardi; Palu, Ivo; Kuhi-Thalfeldt, Reeli; Rosin, Argo 2016 IEEE 16th International Conference on Environment and Electrical Engineering (EEEIC) : 7-10 June 2016, Florence, Italy : conference proceedings 2016 / [6] p. : ill. [CD-ROM] <https://doi.org/10.1109/EEEIC.2016.7555546>

Assessment of energy efficient LED ballasts based on their weight and size

Milaševski, Irena; Tetervenok, Oleg; Galkin, Ilja Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2011 / p. 105-112 : ill <https://ui.adsabs.harvard.edu/abs/2011SJRP...29..105M/abstract>

Asuinrakennusten ilmanpölyisyys, sisäilmasto ja energiatalous

Vinha, Juha; Korpi, Minna; Kalamees, Targo; Kurnitski, Jarek 2009

Balti riigid lahkuvad Venemaa elektri sagedusruumist

Rajangu, Väino Elektriala 2024 / lk. 12-13 : fot https://www.ester.ee/record=b1240496*est

Benchmarking the measured energy use of Nordic residential buildings and their Zero Energy-readiness

Ferrantelli, Andrea; Thalfeldt, Martin; Kurnitski, Jarek CLIMA 2022: the 14th REHVA HVAC World Congress, 22nd – 25th May in Rotterdam, The Netherlands 2022 / p. 1-8 <https://doi.org/10.34641/clima.2022.171>

Biomassi energeetilise kasutamise võimalused Eestis

Paist, Aadu; Poobus, Arvi; Reiska, Rein 1992 https://www.ester.ee/record=b1619299*est

Building performance indicators and IEQ assessment procedure for the next generation of EPC-s

Võsa, Karl-Villem; Ferrantelli, Andrea; Tzanev, Dragomir; Simeonov, Kamen; Carnero, Pablo; Espigares, Carlos; Navarro Escudero, Miriam; Quiles, Pedro Vicente; Andrieu, Thibault; Battezzati, Florian; Kurnitski, Jarek E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 13003, 9 p <https://doi.org/10.1051/e3sconf/202124613003> Conference Proceedings at Scopus

[Article at Scopus](#) [Article at WOS](#)

Calculation and compliance procedures of thermal bridges in energy calculations in various European countries

Kuusk, Kalle; Kurnitski, Jarek; Kalamees, Targo Energy procedia 2017 / p. 27-32 : ill <https://doi.org/10.1016/j.egypro.2017.09.626>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Cardiac volume related energy consumption

Min, Mart Estonian Science Foundation 2010-2011 2011 / p. 17-18 : phot

Change in the carbon footprint of Iranians' food consumption from 1961 to 2019 : a decomposition analysis of drivers

Bashiri, Behzad; Zehtabvar, Mehmaz; Gavrilova, O.; **Vilu, Raivo** Agronomy research 2023 / p. 428-438 : ill
<https://doi.org/10.15159/AR.23.018> [Journal metrics at Scopus](#) [Article at Scopus](#)

Cleaner pellet production – an energy consumption study using statistical analysis

Vigants, Haralds; **Uuemaa, Priit;** Veidenbergs, I.; Blumberga, Dagnija Agronomy research 2014 / p. 633-644 : ill
<https://www.cabidigitallibrary.org/doi/pdf/10.5555/20143202498> [Journal metrics at Scopus](#) [Article at Scopus](#)

Climate change and energy demand for heating and cooling of buildings in Finland

Jylhä, Kirsti; Tietäväinen, Hanna; Ruosteenoja, Kimmo; **Kalamees, Targo;** Jokisalo, Juha; **Ilomets, Simo;** Hyvönen, Reijo; Saku, Seppo European Geosciences Union General Assembly, Vienna, Austria, 03–08 April, 2011 2011

Clustering of Transmission System Loads Based on Monthly Load Class Energy Consumptions

Leinakse, Madis; Kilter, Jako 2020 21st International Scientific Conference on Electric Power Engineering (EPE), October 19-21, 2020, Prague, Czech Republic 2020 / 6 p. : ill <https://doi.org/10.1109/EPE51172.2020.9269197>

CO2 emission reduction options for Estonia

Landsberg, Mart; Agabus, Hannes Tarptautines konferencijas Elektros ir valdymo technologijos - 2006 : pranešimu medžiaga = Proceedings of International Conference Electrical and Control Technologies - 2006 2006 / p. 405-410 : ill

CO2 emission reduction options for Estonia

Landsberg, Mart; Agabus, Hannes; Liik, Olev 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 112-119 : ill

Comparative analysis of machine learning techniques for non-intrusive load monitoring

Shabbir, Noman; Vassiljeva, Kristina; Hokmabad, Hossein Nouroollahi; Husev, Oleksandr; Petlenkov, Eduard; Belikov, Juri Electronics 2024 / art. 1420 <https://doi.org/10.3390/electronics13081420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study of smart lighting grids with LEDs operated with concentrated, localized or distributed control [Electronic resource]

Suzdalenko, Alexander; **Milaševski, Irena;** Galkin, Ilja SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 1437-1441 : ill [CD-ROM]
<https://ieeexplore.ieee.org/document/6264633>

Comparison of COP estimation methods for large-scale heat pumps used in energy planning

Pieper, Henrik; Ommen, Torben; Kjær Jensen, Jonas Energy 2020 / art. 117994, 13 p. : ill <https://doi.org/10.1016/j.energy.2020.117994>

Comparison of energy performance requirements in selected countries

Kurnitski, Jarek; Grönlund, Victoria; Reinikainen, Erja Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

Comparison of mass transfer efficiency and energy consumption in static mixers

Munter, Rein Ozone : science & engineering 2010 / 6, p. 399-407 : ill

Complexities associated with modeling of residential electricity consumption

Iqbal, Muhammad Naveed; Kütt, Lauri; Rosin, Argo 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill
<https://doi.org/10.1109/RTUCON.2018.8659812>

Contributions to ventilation system demand response: a case study of an educational building

Maask, Vahur; Mikola, Alo; Korõtko, Tarmo; Rosin, Argo; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 11001, 6 p <https://doi.org/10.1051/e3sconf/202124611001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Cost effectiveness of energy performance improvements in Estonian brick apartment buildings

Kuusk, Kalle; Kalamees, Targo; Maivel, Mikk Energy and buildings 2014 / p. 313-322 : ill <https://doi.org/10.1016/j.enbuild.2014.03.026>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost optimal and nearly zero energy building solutions for office buildings

Pikas, Ergo; Thalfeldt, Martin; Kurnitski, Jarek Energy and buildings 2014 / p. 30-42 : ill <https://doi.org/10.1016/j.enbuild.2014.01.039>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013

Cost optimal energy performance

Kurnitski, Jarek Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 47-56 : ill https://doi.org/10.1007/978-1-4471-5610-9_4 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Cost savings and CO2 emissions reduction potential in the German district heating system with demand response

Ju, Yuchen; Lindholm, Joakim; Verbeck, Moritz; **Jokisalo, Juha; Kosonen, Risto;** Janßen, Philipp; Li, Yantong; Schäfers, Hans; Nord, Natasa Science and Technology for the Built Environment 2022 / p. 255 - 274 <https://doi.org/10.1080/23744731.2021.2018875>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost-effective energy-efficient building retrofitting : materials, technologies, optimization and case studies

2017 http://www.ester.ee/record=b4674305*est <https://www.sciencedirect.com/science/book/9780081011287>

Data analysis for embedded software performance and energy consumption estimation

Ruberg, Priit; Liiv, Elvar; Lass, Keijo; Ellervee, Peeter 2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering : UKRCON-2019 : conference proceedings 2019 / p. 928-933 : ill <https://doi.org/10.1109/UKRCON.2019.8879787>

Data analysis of building sensors for efficient energy management and future trends in the EU

Crasta, Cletus J.; Agabus, Hannes 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p. : ill <https://doi.org/10.1109/PQ.2019.8818242>

Data for occupancy internal heat gain calculation in main building categories

Ahmed, Kaiser; **Kurnitski, Jarek;** Olesen, Bjarne Data in brief 2017 / p. 1030-1034 : tab <https://doi.org/10.1016/j.dib.2017.10.036>

Data type dependent energy consumption estimation

Ruberg, Priit; Lass, Keijo; Ellervee, Peeter 2nd IEEE NORCAS Conference : 1-2 November 2016, Copenhagen, Denmark 2016 / [5] p. : ill <https://doi.org/10.1109/NORCHIP.2016.7792916>

Data-based energy provision for smart cities

Soe, Ralf-Martin Digital Transformation and Global Society : Second International Conference, DTGS 2017, St. Petersburg, Russia, June 21-23, 2017 : revised selected papers 2017 / p. 319-328 https://doi.org/10.1007/978-3-319-69784-0_27 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Data-driven model for real-time evaluating capacity of commercial buildings to participate in the demand response

Belikov, Juri; Matskevich, Aliaksei; **Köse, Ahmet; Petlenkov, Eduard** E3S Web of Conferences : BuildSim Nordic 2024 2024 / art. 04001, 12 p <https://doi.org/10.1051/e3sconf/202456204001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Demand controlled ventilation indoor climate and energy performance in a high performance building with air flow rate controlled chilled beams

Ahmed, Kaiser; **Kurnitski, Jarek;** Sormunen, Piia Energy and buildings 2015 / p. 115-126 : ill <https://doi.org/10.1016/j.enbuild.2015.09.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Demand side management potential in Estonia

Drovtar, Imre Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 81-87 : ill

Developing a data acquisition system for measuring microcontroller energy consumption using LabVIEW

Ruberg, Priit; Lass, Keijo; Ellervee, Peeter BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 123-126 : ill http://www.ester.ee/record=b2150914*est

Development of a battery sizing tool for nearly zero energy buildings

Ahmadihangar, Roya; Husev, Oleksandr; Blinov, Andrei; Karami, Hossein; **Rosin, Argo** IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society 2020 / p. 5149-5154 : ill <https://doi.org/10.1109/IECON43393.2020.9254557>
[Conference proceeding at Scopus](#) [Article at WOS](#)

Digitaalsed kaksikud teevad säästlikust energiatarbimisest võistluse [Võrguväljaanne]

Harrik, Airika novaator.err.ee 2021 / fot [Digitaalsed kaksikud teevad säästlikust energiatarbimisest võistluse](#)

Domestic hot water profiles for energy calculation in Finnish residential buildings

Ahmed, Kaiser; Pylsy, Petri; **Kurnitski, Jarek** World Sustainable Energy Days 2015, Young researchers conference : energy efficiency : February 25-26, 2015, Wels, Austria 2015 / [8] p. : ill

Dynamic slot allocation using non overlapping backoff algorithm in IEEE 802.15.6 WBAN

Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; Kiani, Adnan Khalid; **Alam, Muhammad Mahtab**; **Kuusik, Alar**; **Le Moullec, Yannick** IEEE sensors journal 2020 / p. 10862-10875 : ill <https://doi.org/10.1109/JSEN.2020.2993795> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Early stage CAD-compliant energy performance assessment method

Kurnitski, Jarek; **Kalamees, Targo**; **Tark, Teet** Seventh International Cold Climate HVAC Conference : November 12-14, 2012, Calgary, Canada 2012 / p. 191-198 : ill https://www.researchgate.net/publication/289191364_Early_stage_CAD-compliant_energy_performance_assessment_method

Early stage CAD-compliant energy performance assessment method

Kurnitski, Jarek; **Kalamees, Targo**; **Tark, Teet** Journal of energy and power engineering 2013 / p. 1662-1668 : ill

Economic analysis and impact on national grid by domestic photovoltaic system installations in Pakistan

Shabbir, Noman; Usman, Muhammad; Jawad, Muhammad; Zafar, Muhammad H.; **Iqbal, Muhammad Naveed**; **Kütt, Lauri** Renewable energy 2020 / p. 509-521 : ill <https://doi.org/10.1016/j.renene.2020.01.114> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Economic feasibility analysis for a residential building in Tallinn with high electricity consumption. A case study with suitable energy storage for the Estonian climate

Rikkas, Elina Rebecka 2020 17th International Conference on the European Energy Market (EEM) 2020 / 5 p <https://doi.org/10.1109/EEM49802.2020.9221961>

Economical feasibility of off-grid hybrid power supply for Estonian remote areas. Part 2 : determination of breakeven grid extension distances

Bolgov, Viktor; **Janson, Kuno** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 187-192 : ill <https://doi.org/10.1109/PQ.2016.7724111>

Eesti avaliku sektori hoonete soojus- ja koguenergiatarbe analüüs

Ingermann, Karl; **Kask, Ülo**; Maandi, Kalle; **Kask, Livia** Keskkonnatehnika 2007 / 8, lk. 18-21 : ill https://artiklid.elnet.ee/record=b1021185*est

Eesti elektri hind kujuneb tarbimise, mitte pelgalt tootmise järgi

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/eesti-elektrihind-kujuneb-tarbimise-mitte-pelgalt-tootmise-jargi/>

Eesti eluasemefondi ehitustehniline seisukord - ajavahemikul 1990-2010 kasutusele võetud korterelamud : uuringu lõpparuanne

Kalamees, Targo; **Ilomets, Simo**; **Liias, Roode**; **Raado, Lembi-Merike**; **Kuusk, Kalle**; **Maivel, Mikk**; **Ründva, Marko**; **Klõšeiko, Paul**; **Liho, Eva**; **Paap, Leena**; **Mikola, Alo**; **Seinre, Erkki**; **Lill, Irene**; **Soekov, Erki**; **Paadam, Katrin**; **Ojamäe, Liis**; **Kallavus, Urve**; **Mikli, Lauri**; **Kõiv, Teet-Andrus** 2012 http://www.ester.ee/record=b2878060*est

Eesti eluasemefondi puitkorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne

Kalamees, Targo; **Arumägi, Endrik**; **Just, Alar**; **Kallavus, Urve**; **Mikli, Lauri**; **Thalfeldt, Marko**; **Klõšeiko, Paul**; **Agasild, Tõnis**; **Liho, Eva**; **Haug, Priit**; **Tuermann, Kristo**; **Liias, Roode**; **Õiger, Karl**; **Langepron, Priit**; **Orro, Oliver**; **Välja, Leele**; **Suits, Maris**; **Kodi, Georg**; **Ilomets, Simo**; **Alev, Üllar**; **Kurik, Lembit** 2011 http://www.ester.ee/record=b2720728*est

Eesti eluasemefondi suurpaneel-korterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõppraport

Kalamees, Targo; **Õiger, Karl**; **Kõiv, Teet-Andrus**; **Liias, Roode**; **Kallavus, Urve**; **Mikli, Lauri**; **Lehtla, Andres**; **Kodi, Georg**; **Luman, Andre**; **Arumägi, Endrik**; **Mironova, Jelena** 2009 http://www.ester.ee/record=b2542472*est

Eesti eluasemefondi telliskorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne

Kalamees, Targo; **Kõiv, Teet-Andrus**; **Liias, Roode**; **Õiger, Karl**; **Kallavus, Urve**; **Mikli, Lauri**; **Ilomets, Simo**; **Kuusk, Kalle**; **Maivel, Mikk**; **Mikola, Alo**; **Klõšeiko, Paul**; **Agasild, Tõnis**; **Arumägi, Endrik**; **Liho, Eva**; **Ojang, Tanel**; **Tuisk, Tanel**; **Raado, Lembi-Merike**; **Jõesaar, Tõnu** 2010 http://www.ester.ee/record=b2665958*est

Eesti hooned liiguvad heitevabade standardite suunas

ehitusuudised.ee 2025 <https://www.ehitusuudised.ee/uudised/2025/06/11/eesti-hooned-liiguvad-heitevabade-standardite-suunas>

Eesti iduettevõtte töötas koos TalTechiga välja rahakotisõbraliku lahenduse, mis muudab energia säästmise lihtsamaks nii elu- kui ärihoonetes

geenius.ee 2023 [Eesti iduettevõtte töötas koos TalTechiga välja rahakotisõbraliku lahenduse, mis muudab energia säästmise lihtsamaks nii elu- kui ärihoonetes](#)

Eesti korruselamute soojuste ja vee tarbimine

Aro, Teuvo; Jyrkkäranta, Jyri; Hääl, Kaido; Laaksonen, Arto 1999 https://www.ester.ee/record=b1378437*est

Eesti teadlased töötasid välja meetodi energiamärgise koheseks määramiseks

director.ee 2023 [Eesti teadlased töötasid välja meetodi energiamärgise koheseks määramiseks](#) [Eestis töötati välja uudne energiamärgise määramise lahendus](#) [Eestis töötati välja uudne energiamärgise määramise lahendus](#)

Eesti valmistub rohepöördeks maju soojustades [Võrguväljaanne]

Tiks, Joosep epl.delfi.ee 2021 ["Eesti valmistub rohepöördeks maju soojustades"](#)

Eestis töötati välja uudne energiamärgise määramise lahendus

Ehitaja 2023 / lk. 34 : fot https://www.ester.ee/record=b1072123*est https://artiklid.elnet.ee/record=b2904595*est

Eestlaste suur jalajalg : [eestlaste energiakasutusest]

Lehtla, Tõnu Eesti Päevaleht 2006 / 24. nov., lk. 3 <https://epl.delfi.ee/artikkel/51065269/tonu-lehtla-eestlaste-suur-jalajalg>

Effect of thermal shock treatment parameters on the efficiency of WC-Co cermet recycling

Kariminejad, Arash; Antonov, Maksim; Kumar, Rahul, 1993-; Goljandin, Dmitri; Klimczyk, Piotr; Viljus, Mart AIP conference proceedings 2024 / art. 040013 <https://doi.org/10.1063/5.0189330> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Efficient on-device transfer learning using activation memory reduction

Yoosefi, Amin; Mousavi, Hamid; Daneshtalab, Masoud; Kargahi, Mehdi 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 210-215 <https://doi.org/10.1109/FMEC59375.2023.10306182>

Ehitusfüüsika ja energiatõhususe teadustaristu

Kalamees, Targo Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 20-26 : ill

Einari Kisel: tulevikus lõpetab riik kõigi elektritootmisvariantide toetamise

Kisel, Einari err.ee 2025 <https://www.err.ee/1609732152/einari-kisel-tulevikus-lopetab-riik-koigi-elektritootmisvariantide-toetamise>

Elektrijaam minu aias

Soomere, Tarmo Postimees 2020 / Lk. 11 : fot <https://dea.digar.ee/article/postimees/2020/09/29/12.6>

Elektrikriisi lahendav idu: "Tõenäoliselt ei ole esimene black-out kaugel. Pärast seda muutub meie kõigi suhtumine" [Võrguväljaanne]

geenius.ee 2022 [Elektrikriisi lahendav idu: "Tõenäoliselt ei ole esimene black-out kaugel. Pärast seda muutub meie kõigi suhtumine"](#)

Embedded software performance estimations at different compiler optimisation levels

Ruberg, Priit; Lass, Keijo; Liiv, Elvar; Ellervee, Peeter Advances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 5th IEEE Workshop, november 24-25, 2017, Riga, Latvia 2017 / p. 1-6 : ill <https://doi.org/10.1109/AIEEE.2017.8270530>

End-user electricity consumption modelling for power quality analysis in residential building

Iqbal, Muhammad Naveed; Kütt, Lauri 2018 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16-18 May, 2018 2018 / 6 p. : ill <https://doi.org/10.1109/EPE.2018.8396030>

Energeetika tulevik - otsapidi tarkvõrkude küljes

Lehtla, Tõnu Horisont 2012 / lk. 32-37 : ill https://artiklid.elnet.ee/record=b2481026*est

Energeetika vajab lähikümnendil üle 43 miljardi : [Olev Liik, Martti Raidal jt. prognoosivad energeetika arengut]

Reinap, Aivar; Liik, Olev; Raidal, Martti Postimees 2003 / 12. juuni, lk. 7: fot <https://majandus.postimees.ee/2027665/energeetika-vajab-lahikumnendil-ule-43-miljardi>

Energia- ja elamumajandus peab olema taskukohane

Kumitski, Jarek postimees.ee 2023 [Energia- ja elamumajandus peab olema taskukohane](#)

Energia ja sisekliima labor aitab parandada arhitektide ja inseneride koostööd

Voll, Hendrik Ehitaja 2010 / 5/6, lk. 48-49 https://artiklid.elnet.ee/record=b2145623*est

Energia püsib alanud aastal maailma keskpunktis

Veiderma, Mihkel Eesti Päevaleht 1996 / 17. jaan., lk. 7 https://artiklid.elnet.ee/record=b1832119*est

Energia tarbimine on põhjendamatult kõrge

Reinsalu, Enno Rahva Hääli 1994 / 14. det.

Energiakasutus hoonetes tõhusamaks!

Soosaar, Sulev Elamu 2004 / 5, lk. 12-13, 40-41

Energiakulukate naatriumlampide väljavahetamiseks Tartul raha ei jagu [Võrguväljaanne]

Klementi, Joakim err.ee 2021 ["Energiakulukate naatriumlampide väljavahetamiseks Tartul raha ei jagu"](#)

Energiasektori kese nihkub tulevikus lõpptarbija telefoni [Võrguväljaanne]

Mishra, Sambeet; Crasta, Cletus J. novaator.err.ee 2021 ["Energiasektori kese nihkub tulevikus lõpptarbija telefoni"](#)

Energiastrateegia kujundamine - kas oleme valmis?

Hamburg, Arvi Elektriala 2012 / lk. 8-9 : ill

Energiat saab säästa Euroopa käsulaudadest rohkem [Võrguväljaanne]

Vellamaa, Imre-Gustav Postimees 2022 / lk. 13 [Energiat saab säästa Euroopa käsulaudadest rohkem](#) [Energiat saab säästa Euroopa käsulaudadest rohkem](#)

Energiat säästes hoiaks avalik sektor aastas kokku 14 miljonit eurot [Võrguväljaanne]

rohe.geenius.ee 2022 [Energiat säästes hoiaks avalik sektor aastas kokku 14 miljonit eurot](#)

Energiatehnika ja maailm

Risthein, Endel 2013 http://www.ester.ee/record=b2697019*est

Energiatootmine Eestis ja lähiriikides

Konist, Alar Postimees 2020 / Lk. 6-7 : ill <https://dea.digar.ee/article/ak/2020/09/19/5.1>

Energiatõhus eramu 2013 : [ka TTÜ Ehitiste projekteerimise instituudi professorite Jarek Kurnitski ja Targo Kalamehe kommentaaridega]

Kurnitski, Jarek; Kalamees, Targo Meie Kodu 2013 / lk. 33-41 : fot

Energy audit guide for buildings : English/Russian editon

2001 https://www.ester.ee/record=b1557790*est

Energy consumption analysis in apartment buildings at Mustamäe in Tallinn

Kõiv, Teet-Andrus Climate Technology and Energy Audit as a Tool for Improved Energy Efficiency : CTI Training Course for Eastern Europe : 26-29 September 2000, Tallinn, Estonia : proceedings 2000 / p. 236-239 : ill

Energy consumption and indoor climate analysis in detached houses

Maivel, Mikk; Kuusk, Kalle Environmental Science and Sustainability : proceedings of the 2nd WSEAS International Conference on ... [NAHA'09, CGB'09, URES'09] : Baltimore, USA, November 7-9, 2009 2009 / p. 97-101 : ill

Energy consumption and indoor climate analysis of office buildings

Thalfeldt, Martin International journal of energy and environment 2010 / 4, p. 197-204 : ill

Energy consumption and performance estimation of embedded software = Sardarkvara energiatarbe ja jõudluse ennustamine

Ruberg, Priit 2018 <https://digi.lib.ttu.ee/i/?10704> https://www.ester.ee/record=b5152952*est

Energy consumption and renovation of soviet design panel dwellings in Estonia

Hääl, Kaido Construction in Russia Today : symposium report 2000 / p. 234-239

Energy consumption in ozonation and photo-catalytical oxidation

Preis, Sergei; Kamenev, Sven 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 57

Energy consumption monitoring analysis for residential, educational and public buildings

Hani, Allan; Kõiv, Teet-Andrus Smart grid and renewable energy 2012 / p. 231-238 : ill <https://www.scirp.org/html/22065.html>

Energy consumption of mini UAV helicopters with different number of rotors

Aleksandrov, Dmitri; Penkov, Igor 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 259-262 : ill

Energy consumption trends in Estonian apartment buildings

Kõiv, Teet-Andrus; Toode, Alvar Ogrzewanie i wentylacja w przemyśle i rolnictwie = Heating and ventilation in industry and agriculture 2006 / p. 39-46 : ill

Energy demand for the heating and cooling of residential houses in Finland in a changing climate

Jylhä, Kirsti; Jokisalo, Juha; **Kalamees, Targo** Energy and buildings 2015 / p. 104-116 : ill <https://doi.org/10.1016/j.enbuild.2015.04.001>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy efficiency measures : in different climates and in architectural competitions

Mustakallio, Panu; **Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 79-102 : ill

Energy efficiency monitoring system for technology mapping driven by FoF concept

Sarkans, Martinš; Pikner, Heiko; Sell, Raivo; Sonk, Kaimo Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 187-192 : ill

Energy efficiency regulations taking action in Estonia

Seinre, Erkki; Voll, Hendrik Selected Topics in Energy, Environment, Sustainable Development and Landscaping : 6th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '10), 3rd WSEAS International Conference on Landscape Architecture (LA '10) : Politehnica University of Timisoara, Romania, October 21-23, 2010 2010 / p. 211-215

Energy expenses in households with different standards of living

Laur, Anton; Tenno, Koidu; Viies, Mare Working papers in economics. Vol. 18 (TUTWPE No 137-140) 2006 / TUTWPE No. 140, p. 59-76 : ill

Energy management in a centrifugal pumping plant

Vodovozov, Valery; Raud, Zoja 17th IEEE International Conference on Smart Technologies : IEEE EUROCON 2017 : 6-8 July 2017, Ohrid, Macedonia : conference proceedings 2017 / p. 347-352 : ill <https://doi.org/10.1109/EUROCON.2017.8011133>

Energy performance, indoor air quality and comfort in new nearly zero energy day-care centres in northern climatic conditions

Kuusk, Kalle; Kaiser, Ahmed; Lolli, Nicola; Johansson, Jan; Kouvola, Tero Hasu; Gunnarshaug Lien, Anne; Arumägi, Endrik; Kalbe, Kristo; Hallik, Jaanus; Kurnitski, Jarek; Kalamees, Targo Journal of sustainable architecture and civil engineering 2019 / p. 7-16 <https://doi.org/10.5755/j01.sace.24.1.23228>

Energy saving in centrifugal pumps using mutual pressure and flowrate control

Serbin, Aleksandr; Petlenkov, Eduard; Vodovozov, Valery 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill <http://dx.doi.org/10.1109/RTUCON.2017.8124805>

Environmentally sustainable use of the energy and chemical potential of oil shale

Soone, Jüri; Riisalu, Hella; Kekiševa, Ljudmilla; Doilov, Svjatoslav Oil shale conference "Recent Trends in Oil Shale : Research and Applications" : Amman, Jordan, November 7-9, 2006 2006 / ? p

Estimation of exponential and ZIP load model of aggregated load with distributed generation

Leinakse, Madis; Andreesen, Guido; Tani, Pärtel; Kilter, Jako 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / p. 1-6 <https://doi.org/10.1109/RTUCON53541.2021.9711702>

Estonia : country report : status of electricity end-use efficiency in buildings and energy services [Electronic resource]

Oinus, Raimo; **Kõiv, Teet-Andrus; Tepp, Jaan** Proceedings of workshop on : Electricity end-end use efficiency and energy services in new member states and Candidate Countries : Brussels, 9-10 December, 2004 2005 / [28] p

Estonian primary energy consumption 1993

Mölder, Leevi Oil shale 1995 / 1, p. 92

Ettevõtluseksperit Maive Rute: rohelisest elektrist tuleks toota vajadusest neli korda rohkem [Võrguväljaanne]

Tosso, Enn [pealinn.ee](https://www.pealinn.ee) 2021 ["Ettevõtluseksperit Maive Rute: rohelisest elektrist tuleks toota vajadusest neli korda rohkem"](https://www.pealinn.ee/ettevotluseksperit-maive-rute-rohelisest-elektrist-tuleks-toota-vajadusest-neli-korda-rohkem)

Evaluating the energy readiness of national building stocks through benchmarking

Ferrantelli, Andrea; Belikov, Juri; Petlenkov, Eduard; Thalfeldt, Martin; Kurnitski, Jarek IEEE Access 2022 / p. 45430-45443 : ill <https://doi.org/10.1109/ACCESS.2022.3170716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of low power wide area network technologies for smart urban drainage systems

Malik, Hassan; Kändler, Nils; Alam, Muhammad Mahtab; Annus, Ivar; Le Moullec, Yannick; Kuusik, Alar 2018 IEEE :

International Conference on Environmental Engineering, March 12-14, 2018 Milan Italy : conference proceedings 2018 / 5 p. : ill
<https://doi.org/10.1109/EE1.2018.8385262>

Evolution of biochemical processes in coking wastewater treatment : a combined evaluation of material and energy efficiencies and secondary pollution

Qin, Zhi; Wei, Cong; Wei, Tuo; Li, Zemin; Pang, Zijun; Luo, Pei; Feng, Chunhua; Qiu, Guanglei; Wei, Chaozhai; Wu, Haizhen; Peng, Yahuan; Jian, Chengfu; **Preis, Sergei** Science of the total environment 2022 / 13 p. : ill <https://doi.org/10.1016/j.scitotenv.2021.151072>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Expect : eXplainable prediction model for energy consumption

Mouakher, Amira; **Inoubli, Wissem; Ounoughi, Chahinez;** Ko, Andrea Mathematics 2022 / art. 248
<https://doi.org/10.3390/math10020248> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Exploratory data analysis for demand-side flexibility quantification

Shahid, Arqum; Ahmadihangar, Roya; Rosin, Argo; Maask, Vahur; Martins, João F. 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227408>

FCS-model predictive control of a quadratic buck converter for more efficient data centers

Azadi, Shirin; Flores-Bahamonde, Freddy; Alireza Davari, S.; Torres-Pinzon, C. A.; **Chub, Andrii;** Rodriguez, Jose 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p
<https://doi.org/10.1109/CPE-POWERENG58103.2023.10227387>

Feasibility study of a local power supply system for sparsely populated areas in Estonia

Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Märss, Maito Agronomy research 2016 / p. 1720-1729 : ill
http://www.ester.ee/record=b1787401*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Feature engineering for short-term forecast of energy consumption

Spitšakova, Margarita; Belikov, Juri; Nõu, Kalvi; Petlenkov, Eduard Proceedings of 2019 IEEE PES : Innovative Smart Grid Technologies Europe : (ISGT-Europe), Bucharest Romania, 29 September - 2 October, 2019 2019 / 5 p. : ill
<https://doi.org/10.1109/ISGTEurope.2019.8905698>

Feature engineering of Weather Data for Short-Term Energy Consumption Forecast

Sinimaa, Maria; Spitšakova, Margarita; Belikov, Juri; Petlenkov, Eduard 2021 IEEE Madrid PowerTech 2021 / 6 p.
<https://doi.org/10.1109/PowerTech46648.2021.9494920>

Field study of airtightness of traditional rural houses in Estonia

Alev, Üllar; Kalamees, Targo Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings

2024 <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

A first experimental study of fixed-point approximate arithmetic in recursive lattice filters

Koch, Peter; **Le Moullec, Yannick** 2023 IEEE Nordic Circuits and Systems Conference (NorCAS) 2023 / 6 p. : ill
<https://doi.org/10.1109/NorCAS58970.2023.10305450>

A flexible enhanced throughput and reduced overhead (FETRO) MAC protocol for ETSI SmartBAN

Khan, Rida; Alam, Muhammad Mahtab; Guizani, Mohsen IEEE Transactions on Mobile Computing 2022 / p. 2671-2686 : ill
<https://doi.org/10.1109/TMC.2020.3047596> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Forecasting annual electric power consumption using a random parameters model with heterogeneity in means and variances

Hamed, Mohammad M.; **Ali, Hesham;** Abdelal, Qasem Energy 2022 / art. 124510 <https://doi.org/10.1016/j.energy.2022.124510>

Forecasting of energy consumption and production using recurrent neural networks

Shabbir, Noman; Kütt, Lauri; Jawad, Muhammad; **Iqbal, Muhammad Naveed;** Shams Ghahfarokhi, Payam Advances in electrical and electronic engineering 2020 / p. 190-197 <https://doi.org/10.15598/aece.v18i3.3597> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Füüsik vastab, kui energiasäästlikuks saab kodumasinad timmida [Võrguväljaanne]

Kalda, Jaan novaator.err.ee 2021 "Füüsik vastab, kui energiasäästlikuks saab kodumasinad timmida "

Gert Jervan: tehisintellekti tark kasutamine võib inimkonnale palju kasu tuua

kultuur.err.ee 2023 [Gert Jervan: tehisintellekti tark kasutamine võib inimkonnale palju kasu tuua](#)

Gert Jervan: TI õpib meie pealt ja meie jagatud infost

Jervan, Gert Õpetajate Leht 2025 / lk. 6-7 <https://dea.digar.ee/article/opetajateleht/2025/05/13/7.1> <https://www.opleht.ee/2025/05/gert-jervan-ti-opib-meie-pealt-ja-meie-jagatud-infost/>

Green aspects application in product life cycle engineering

Baškite, Viktoria; Moseichuk, Vadim; Zahharov, Roman; Karaulova, Tatjana 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 111-116 : ill

Grey wolf optimizer-based task scheduling for IoT-based applications in the edge computing

Satouf, Aram; Hamidoglu, Ali; Gul, Omer Melih; Kuusik, Alar 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 53-57 <https://doi.org/10.1109/FMEC59375.2023.10306148>

Hea aeg olla energeetikas

Alver, Anne-Mari Maaleht 2023 https://www.ester.ee/record=b1072541*est

Heat energy consumption in heating and hot tap water systems in apartment buildings

Kõiv, Teet-Andrus Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 3, p. 225-232: ill

Heating system efficiency aspects in low-energy residential buildings = Küttesüsteemi efektiivsuse aspektid madalenergia eluhoonetes

Maivel, Mikk 2015 https://www.ester.ee/record=b4484289*est

Hoia raha kokku : kuidas kodus säästlikult energiat tarbida

Kongas, Kerttu Postimehe lisa 2024 [Hoia raha kokku: kuidas kodus säästlikult energiat tarbida](https://www.postimees.ee/hoia-rahakokku-kuidas-kodus-saastlikult-energiat-tarbida)

Hoiame kokku! Ah et kuidas? : insenerid võitlevad kivistunud arusaamade vastu

Arak, Marti; Kookmaa, Kristjan Inseneria 2016 / lk. [54]-55 : fot http://www.ester.ee/record=b2336521*est
https://artiklid.elnet.ee/record=b2803300*est

Hoone elektrisüsteemi parameetrid, mis sobivad uuendusteks (draiverid). Negatiivsed eripärad, millele tuleb tähelepanu pöörata, et vältida uuenduste realiseerimise ebapiisava tasuvuse ja mittesobiva tehnilise kõrvalmõju teket

Saikovski, Valeri; Teemets, Raivo TEUK XVII : taastuvate energiaallikate uurimine ja kasutamine : seitsmeteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : seventeenth conference proceedings : [2015 : Tartu] 2015 / lk. 80-87 : ill

Hoonete energiaauditite juhend

2001 https://www.ester.ee/record=b1747730*est

Hoonete energiahaldus reaalajas - esimesed tulemused [Võrguväljaanne]

ehitusuudised.ee 2022 ["Hoonete energiahaldus reaalajas - esimesed tulemused"](https://ehitusuudised.ee/hoonete-energiiahaldus-reaalajas-esimesed-tulemused)

Hoonete energiakulu on võimalik vähendada

Vinnal, Toomas Nädaline 1999 / 11. märts, lk. 6

Hoonete energiatarve ja sisekliima

Abel, Enno; Voll, Hendrik 2010 https://www.ester.ee/record=b2609572*est

Hoonete energiatarve ja sisekliima

Abel, Enno; Voll, Hendrik; Tark, Teet; Pikk, Priit; Daniel, Raul 2022 https://www.ester.ee/record=b5497552*est

Hoonete energiatarve ja sisekliima

Abel, Enno; Voll, Hendrik; Tark, Teet 2014 https://www.ester.ee/record=b4434678*est

Hoonete energiatõhusus : energianõuded valgustusele = Energy performance of buildings : energy requirements for lighting

2010 https://www.ester.ee/record=b2623156*est

Hoonete energiatõhusust määrav digiaudit jõuab kinnisvaraomanikeni

postimees.ee 2024 [Hoonete energiatõhusust määrav digiaudit jõuab kinnisvaraomanikeni Kuhu kulub hoonetes energia? Eesti teadlaste loodud lahendus teab täpselt](https://postimees.ee/hoonete-energiatõhusust-maarav-digiaudit-jouab-kinnisvaraomanikeni-kuhu-kulub-hoonetes-energia?eesti-teadlaste-loodud-lahendus-teab-tapselt)

Hoonete kuluoptimaalsete energiatõhususe miinimumtasemete analüüs [Võrguteavik]

Arumägi, Endrik; Simson, Raimo; Kuusk, Kalle; Kalamees, Targo; Kurnitski, Jarek 2017 https://www.ester.ee/record=b4762265*est

House thermal behaviour simulation with CoCoViLa

Spitšakova, Margarita Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 125-128 : ill

Ilma ei jõua soojaks kütta : energia säästliku kasutamise õpik [3.-5. klassile]

Kask, Ülo; Kask, Livia; Sihtmäe, Mariliis; Kuldperre, Kaire 2005 https://www.ester.ee/record=b2118454*est

Ilmanpöivyyden vaikutus vuotoilmanvaihtoon ja energiakulutukseen pientaloissa

Jokisalo, Juha; **Kurnitski, Jarek; Kalamees, Targo**; Eskola, Lari; Jokiranta, Kai Sisäilmastoseminaari 2007 2007 / s. 241-246 <https://research.aalto.fi/publications/ilmanpit%C3%A4vyyden-vaikutus-vuotoilmanvaihtoon-ja-energiankulutukseen>

Ilmus eestikeelne hoonete energiatarvet ja sisekliimat käsitlev raamat : [Hoonete energiatarve ja sisekliima]

Abel, Enno; Voll, Hendrik Ehitaja 2010 / 7/8, lk. 17-18 https://artiklid.elnet.ee/record=b2154819*est

Impact of office tenants' electricity use on the cost-optimal solutions in a cold climate

Kuivjõgi, Helena; Laas, Liina; Ferrantelli, Andrea; Thalfeldt, Martin E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 05001, 8 p. : ill <https://doi.org/10.1051/e3sconf/202124605001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Indoor climate and energy consumption in residential buildings

Kõiv, Teet-Andrus; Voll, Hendrik; Kuusk, Kalle; Mikola, Alo Selected topics on energy and development-environment-biomedicine 2009 : proceedings of the 3rd International Conference on Energy and Development-Environment-Biomedicine (EDEB 09) 2009 / p. 82-86

Indoor climate and energy consumption in residential buildings in Estonian climatic conditions

Kõiv, Teet-Andrus; Voll, Hendrik; Mikola, Alo; Kuusk, Kalle; Maivel, Mikk WSEAS transactions on environment and development 2010 / 4, p. 235-244 : ill

Indoor climate and energy performance in nearly zero energy day care centers and school buildings

Kaiser, Ahmed; **Kuusk, Kalle**; Heininen, Henrik; **Arumägi, Endrik; Kalamees, Targo**; Hasu, Tero; Lolli, Nicola; **Kurnitski, Jarek** E3S Web of Conferences : CLIMA 2019 Congress, Bucharest, Romania, May 26-29, 2019 2019 / art. 02003 ; 9 p. : ill <https://doi.org/10.1051/e3sconf/201911102003> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Innovative energy services for behavioral-reflective attributes and intelligent recommender system

Onile, Abiodun Emmanuel; Belikov, Juri; Levron, Yoash Proceedings of 2020 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 26-28 October, 2020 2020 / p. 242-246 <https://doi.org/10.1109/ISGT-Europe47291.2020.9248810>

Integrated cost-optimal renovation of apartment buildings toward nearly zero-energy buildings = Korterelamute kuluoptimaalne tervikrenoveerimine liginullenergiahooneks

Kuusk, Kalle 2015 https://www.ester.ee/record=b4482703*est

Intelligent energy management of unmanned ground vehicle

Hiimaa, Mairo; Tamre, Mart Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 542-547 : ill

Inter O-DUs coordination for scheduling of massive users in O-RAN

Latif, Aamir; Alam, Muhammad Mahtab; Le Moullec, Yannick 2023 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit) 2023 / p. 6 <https://doi.org/10.1109/EuCNC/6GSummit58263.2023.10188234>

Investigation of energy efficiency in buildings and HVAC systems = Hoonete ja nende tehnosüsteemide energeetilise efektiivsuse uurimine

Hani, Allan 2012 https://www.ester.ee/record=b2875843*est

Jõhvi kaitsevaelased said moodsa kasarmu [Võrguväljaanne]

pohjarannik.postimees.ee 2022 [kaitsevaelased said moodsa kasarmu](#)

20. sajand ja maailma energiatarbimine

Risthein, Endel Elektriala 2004 / 2, lk. 26-30 : ill

Kas ir gandriz nulles energijas ekas? Eiropas Inženieru savienību federācijas definīcija

Kurnitski, Jarek Latvijas būvniecība 2013 / I. 4-10 : ill

Kes võidab ja kes maksab kinni ülemineku taastuvenergiale? Kuidas leida tasakaal energiasüsteemi toimimise ning tarbija ja tootja huvide vahel?

Männasoo, Kadri; Kisel, Einari 2025 <https://doi.org/10.48726/rk818-6j360>

Kuidas analüüsida valguslahendusi?

Puusild, Harro; **Rosin, Argo** Äripäev 2016 / Tööstus, lk. 40-41

Kulutused energiale elanike väljaminekutes

Laur, Anton; Tenno, Koidu Taastuvate energiaallikate uurimine ja kasutamine : kuuenda konverentsi kogumik : [11.nov. 2004, Tartu] 2005 / lk. 132-141

Large-scale heat pumps for district heating systems in the Baltics : potential and impact

Volkova, Anna; Koduver, Hardi; Pieper, Henrik Renewable and sustainable energy reviews 2022 / art. 112749

<https://doi.org/10.1016/j.rser.2022.112749> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Learning based personalized energy management systems for residential buildings

Soudari, Mallikarjun; Srinivasan, Seshadhri; Balasubramanian, Subathra; **Vain, Jüri; Kotta, Ülle** Energy and buildings 2016 / p. 953-968 : ill <https://doi.org/10.1016/j.enbuild.2016.05.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Liginullenergiahoone - meie majaehituse lähitulevik : [TTÜ testhoonest]

Inseneeria 2013 / lk. 14 : ill

Liginullenergiahoonete ehitamine läheneb kiirelt

Kurnitski, Jarek Ehitaja 2015 / lk. 14-18 : ill https://artiklid.elnet.ee/record=b2767562*est

Liginullenergiahoonete ehitamine läheneb suure kiirusega

Kurnitski, Jarek Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 9-14 : ill

Liginullenergiahoonete nõuded Euroopas

Kurnitski, Jarek Ehitaja 2015 / lk. 16-19 : ill https://artiklid.elnet.ee/record=b2713286*est

Liginullenergiahoonete näiteid meilt ja mujalt

Kurnitski, Jarek Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 15-19 : ill

Liginullenergiamajad - Euroopa ehituse tulevik

Kurnitski, Jarek Inseneeria 2013 / lk. 32-33 : ill https://artiklid.elnet.ee/record=b2619452*est

Liginullenergiamajad peavad muutuma majanduslikult tasuvaks

Aru, Erik Ärioleht 2013 / Ehitus ja Kinnisvara, lk. 5

Liginullenergiamajade kompetentsikeskust hakkab juhtima Jarek Kurnitski [TTÜs]

Ehitaja 2012 / lk. 22 : fot https://artiklid.elnet.ee/record=b2484759*est

Lihtsad sammud elektri säästmiseks

Kodu & Ehitus : TM 2023 / lk. 40-42 : fot https://www.ester.ee/record=b1740684*est

Low- and nearly zero energy solutions for apartment buildings in Estonia

Kuusk, Kalle; Kalamees, Targo Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

A low voltage high input bandwidth downconversion mixer

Vauhkonen, Ari; Grahn, Kaj J. BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 469-470: ill https://www.ester.ee/record=b2150914*est

Maaelamute sisekliima, ehitusfüüsika ja energiasääst I : uuringu I etapi lõpparuanne

Kalamees, Targo; Alev, Üllar; Arumägi, Endrik; Ilomets, Simo; Just, Alar; Kallavus, Urve 2011
http://www.ester.ee/record=b2665966*est

Maailm tarbib energiat palju

Risthein, Endel Elektriala 2002 / 1, lk. 19

Madal- ja liginullenergiamajad - väikeste ja nullilähedaste energiakuludega majad

Kurnitski, Jarek Kalender 2014 2013 / lk. 103-108 : ill

Managing energy consumption of linear delta robots using neural network models

Vodovozov, Valery; Lehtla, Madis; Raud, Zoja; Semjonova, Natalia; Petlenkov, Eduard Energies 2024 / art. 4081
<https://doi.org/10.3390/en17164081> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mathematical model for real-time assessment of contributions of disturbing sources to power quality level at a point of common coupling

Sayenko, Yuri; Sukhonos, Maria; Kalyuzhnyi, Dmitry; **Bolgov, Viktor** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 29-35 : ill <https://doi.org/10.1109/PQ.2016.7724085>

Measured and simulated energy performance of OLK NZEB with heat pump and energy piles in Hämeenlinna

Fadejev, Jevgeni; Simson, Raimo; Kesti, Jyrki; **Kurnitski, Jarek** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 16012, 11 p. : ill <https://doi.org/10.1051/e3sconf/202017216012> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Measured performance of exhaust air heat pumps in Finnish apartment buildings

Pylsy, Petri; **Kurnitski, Jarek** E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 06001, 7 p <https://doi.org/10.1051/e3sconf/202124606001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation

Pieper, Henrik; Krupenski, Igor; Markussen, Wiebke Brix; Ommen, Torben; **Siirde, Andres; Volkova, Anna** Energy 2021 / art. 120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodological approach to determining the effect of parallel energy consumption on district heating system

Latõšov, Eduard; Volkova, Anna; Siirde, Andres; Kurnitski, Jarek; Thalfeldt, Martin Environmental and Climate Technologies 2017 / p. 5-14 : ill <https://doi.org/10.1515/ruect-2017-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

Microcontroller energy consumption estimation based on software analysis for embedded systems

Ruberg, Priit; Lass, Keijo; Ellervee, Peeter 2015 Nordic Circuits and Systems Conference (NORCAS) : NORCHIP & International Symposium on System-on-Chip (SoC) : 1st IEEE NORCAS Conference : 26-28 October 2015, Oslo, Norway 2015 / [4] p. : ill <http://dx.doi.org/10.1109/NORCHIP.2015.7364397>

Mida tuleb teha energiakriisist väljumiseks? [Võrguväljaanne]

Kurnitski, Jarek postimees.ee 2022 [Mida tuleb teha energiakriisist väljumiseks?](#)

Mikrotootmisjaamaga eramu elektrienergia tarbimise ja tootmise analüüs

Märss, Maido; **Järvik, Jaan;** Annuk, Andres TEUK XVI : taastuvate energiaallikate uurimine ja kasutamine : kuueteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : sixteenth conference proceedings 2014 / lk. 42-53

Mis on liginullenergiaülikooli hind?

Sarv, Mari Öö Mente et Manu 2024 / lk. 22-23 : ill https://www.ester.ee/record=b1242496*est

Modelling aggregated load with distributed generation by exponential load model

Leinakse, Madis 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCon) 2021 / 1-6 p <https://doi.org/10.1109/RTUCon53541.2021.9711586>

Monthly domestic hot water profiles for energy calculation in Finnish apartment buildings

Ahmed, Kaiser; Pylsy, Petri; **Kurnitski, Jarek** Energy and buildings 2015 / 77-85 : ill <https://doi.org/10.1016/j.enbuild.2015.03.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-motor pressure management system with minimal energy consumption

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja 2016 IEEE 14th International Conference on Industrial Informatics (INDIN) : Palais des Congrès du Futuroscope, Futuroscope - Poitiers, France, 19-21 July, 2016 : proceedings 2016 / p. 243-247 : ill <https://doi.org/10.1109/INDIN.2016.7819166>

Multi-objective optimization for daylight retrofit

De Luca, Francesco; Wortmann, Thomas eCAADe 2020 : Anthropologic – Architecture and Fabrication in the cognitive age : Proceedings of the 38th eCAADe Conference : Education and research in Computer Aided Architectural Design in Europe, Berlin, Germany, 16-17 September 2020 2020 / p. 57-66 : ill http://ecaade.org/downloads/eCAADe2020_volume1-print.pdf http://papers.cumincad.org/cgi-bin/works/paper/ecaade2020_272 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mõningate Eesti tööstusettevõtete energiaarvete analüüs

Lipina, N.; Taranets, N.; Meldorf, Mati; Valtin, Juhan XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 99 https://www.ester.ee/record=b1322611*est

Narrowband internet of things (NB-IoT) : from radio network coverage to device energy consumption modeling and energy-efficient application = Kitsaribaline asjade internet (NB-IoT) : raadiovõrgu katvusest seadme energiatarbe modelleerimise ja energiasäästliku rakenduseni

Khan, Sikandar Muhammad Zulqarnain 2022 https://www.ester.ee/record=b5491661*est <https://digikogu.taltech.ee/et/Item/8244be00-273d-4d45-a34a-27f0f4350d32>

Nearly Zero Energy hotels

Buso, Tiziana; **Kurnitski, Jarek**; Corgnati, Stefano Paolo; Litiu, Andrei; Derjanecz, Anita The REHVA European HVAC journal 2014 / p. 7-11 : ill

Neural network based configuring of linear delta robots with reduced energy consumption

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard Renewable energies environment and power quality journal 2024 / p. 82-88
<https://doi.org/10.24084/reepqj24.267>

Nordic green to scale for countries unlocking the potential of climate solutions in the Baltics, Poland and Ukraine

2018 <http://dx.doi.org/10.6027/ANP2018-764>

nZEB definitions in Europe

Kurnitski, Jarek; Buso, Tiziana; Corgnati, Stefano Paolo; Derjanecz, Anita; Litiu, Andrei The REHVA European HVAC journal 2014 / p. 6-9 : ill

Occupancy schedules for energy simulation in new prEN16798-1 and ISO/FDIS 17772-1 standards

Ahmed, Kaiser; Akhondzada, Ali; **Kurnitski, Jarek**; Olesen, Bjarne Sustainable cities and society 2017 / p. 134-144 : ill
<https://doi.org/10.1016/j.scs.2017.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimal control of energy storage devices based on Pontryagin's minimum principle and the shortest path method

Zargari, Noa; Levron, Yoash; **Belikov, Juri** Proceedings of 2019 IEEE PES : Innovative Smart Grid Technologies Europe : (ISGT-Europe), Bucharest Romania, 29 September – 2 October, 2019 2019 / 5 p <https://doi.org/10.1109/ISGTEurope.2019.8905748>

Optimal scheduling of HVACs in islanded residential microgrids to reduce BESS size considering effect of discharge duration on voltage and capacity of battery cells

Sanjareh, Mehrdad Bagheri; Nazari, Mohammad Hassan; Gharehpetian, Gevork B.; **Ahmadihangar, Roya; Rosin, Argo** Sustainable Energy, Grids and Networks 2021 / art. 100424 <https://doi.org/10.1016/j.segan.2020.100424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimal supercapacitor energy storage system sizing for traction substations

Sirmelis, Ugis; **Zakis, Janis**; Grigans, Linards 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 592-595 : ill
<http://dx.doi.org/10.1109/PowerEng.2015.7266383>

Optimization mini unmanned helicopter energy consumption by changing geometrical parameters of coaxial rotor pairs

Aleksandrov, Dmitri; **Penkov, Igor** 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 139-141 : ill

An optimized design of delay-and energy-efficient Booth multiplier

Rafiq, Ahsan; Jenihhin, Maksim e-Prime - Advances in Electrical Engineering, Electronics and Energy 2024 / art. 100698
<https://doi.org/10.1016/j.prime.2024.100698> [Journal metrics at Scopus](#) [Article at Scopus](#)

Overview of Energy Management Systems for net zero energy buildings

Maask, Vahur 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 172-174 : ill
http://ise.elnet.ee/record=b2950102~S2*est

Palju maksab meie digitaalne laiskus?

Jaanus, Martin Praktiline Arvutikasutaja 2007 / 6, lk. 32-33 https://artiklid.elnet.ee/record=b1058796*est

Parametric energy simulations of a Nordic detached house heated by a wood stove

Thalfeldt, Martin; Skare, Anders; Georges, Laurent; Skreiberg, Øyvind E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 25007, 7 p. : ill
<https://doi.org/10.1051/e3sconf/202017225007> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Peak period crypto mining makes up 1 percent of all electricity consumption [Online resource]

news.err.ee 2022 ["Peak period crypto mining makes up 1 percent of all electricity consumption"](https://news.err.ee/2022/peak-period-crypto-mining-makes-up-1-percent-of-all-electricity-consumption)

Performance and feasibility analysis of electricity price based control models for thermal storages in households

Rosin, Argo; Link, Siim; Lehtla, Madis; Martins, Joao; **Drovtar, Imre; Roasto, Indrek** Sustainable cities and society 2017 / p. 366-374 : ill <https://doi.org/10.1016/j.scs.2017.04.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Piskust ei piisa : korterleamute kuluoptimaalne tervikrenoveerimine liginullenergiahooneks

Kuusk, Kalle EhitusEST 2015 / lk. 36-37 https://artiklid.elnet.ee/record=b2747278*est

Power network management in software

Kangilaski, Taivo 9th IEEE Conference on Emerging Technologies and Factory Automation (ETFA'2003) : Calouste Gulbenkian Foundation, Lisbon, Portugal, 16-19 September 2003. 2 2003 / p. 588-595 <https://ieeexplore.ieee.org/document/1248752>

Power plant fuel consumption rate during load cycling

Nešumajev, Dmitri; Rummel, Leo; Konist, Alar; Ots, Arvo; Parve, Teet Applied energy 2018 / p. 124-135 : ill <https://doi.org/10.1016/j.apenergy.2018.04.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Practical demand side management and demand response in large scale buildings with multiple case studies

Köse, Ahmet; Sukhanov, Ivan; Maivel, Mikk; **Tepljakov, Aleksei; Hokmabad, Hossein Nourollahi; Petlenkov, Eduard** 2024 20th International Conference on the European Energy Market (EEM) 2024 / 5 p <https://doi.org/10.1109/EEM60825.2024.10608965>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Present energy performance requirements and nZEB targets in some selected countries

Kurnitski, Jarek; Feldmann, Christian Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 31-46 : ill https://doi.org/10.1007/978-1-4471-5610-9_3 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Pressure control with minimal power consumption of a pumping station

Vodovozov, Valery; Raud, Zoja Recent Advances in Environmental and Earth Sciences and Economics : [proceedings of the EEDE 2015, GESE 2015, MANASE 2015, WHH 2015 : Zakynthos Island, Greece, July 16-20, 2015] 2015 / p. 242-245 : ill

Primary energy balance driven integrated energy design process of positive energy building

Tamm, Meril; Ortiz, Joana; Pascual, Jordi; Kurnitski, Jarek; Thalfeldt, Martin; Salom, Jaume E3S Web Conference: Cold Climate HVAC and Energy 2021 2021 / art. 13001, 8 p. : ill <https://doi.org/10.1051/e3sconf/202124613001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Principles to select new test reference year assessing the annual energy for heating and cooling of buildings in Finland

Kalamees, Targo; Jylhä, Kirsti; Tietäväinen, Hanna; Jokisalo, Juha; Ilomets, Simo; Ruosteenoja, Kimmo; Hyvönen, Reijo; Saku, Seppo; Hutila, A. The 12th International Conference on Air Distribution in Rooms, June 19-22, 2011, Trondheim, Norway 2011 / [8] p https://www.academia.edu/72130372/Principles_to_select_new_test_reference_year_assessing_the_annual_energy_for_heating_and_cooling_of_buildings_in_Finland

Problems in the operating and calculation of payback of photovoltaic systems in buildings

Saikovski, Valeri 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [4] p. : ill <https://doi.org/10.1109/RTUCON.2017.8125624>

Processing and filtering digital fault recorder events for load model estimation

Leinakse, Madis; Kilter, Jako 2021 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 8-21 October, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISGTEurope52324.2021.9640026>

Project-oriented approach to low-power topics in advanced digital design course

Mihhailov, Dmitri; **Sudnitsõn, Aleksander; Kruus, Margus** Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 6, p. 151-154 <https://eejournal.ktu.lt/index.php/elt/article/view/9381>

Pumps energy consumption based on new EU legislation

Annus, Ivar; Uibo, D.; Koppel, Tiit Procedia engineering 2014 / p. 517-524 : ill <https://doi.org/10.1016/j.proeng.2014.11.473>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Raamat hoonete energiatarbest : [Abel, E., Voll, H. Hoonete energiatarve ja sisekliima]

Mente et Manu 2010 / lk. 2 https://www.ester.ee/record=b1242496*est

Reaktiivenergia tarbimise analüüs Tallinna Tehnikaülikooli hoonetes [Elektrooniline publikatsioon]

Kangro, Triin; Kilter, Jako; Palu, Ivo 2015

REHVA nZEB technical definition and system boundaries for nearly zero energy buildings

Kurnitski, Jarek Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

REHVA nZEB technical definition and system boundaries for nearly zero energy buildings : 2013 revision for uniformed national implementation of EPBD recast prepared in cooperation with European standardization organization CEN 2013

Renovation need and performance of envelopes of concrete apartment buildings in Estonia = Eesti raudbetoon-suurpaneel lamute piirdetarindite renoveerimisvajadus ja toimivus

Ilomets, Simo 2017 <https://digi.lib.ttu.ee/i/?7670> https://www.ester.ee/record=b4674186*est

Renovation vs. demolition of an old apartment building : energy use, economic and environmental analysis

Kuusk, Kalle; Ilomets, Simo; Kalamees, Targo; Tuudak, Sten; Luman, Andre NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 1213-1220 : ill

Research and development of electricity auction for microgrids = Mikrovõrkude elektrioksjoni uurimine ja väljatöötamine

Korõtko, Tarmo 2019 <https://digi.lib.ttu.ee/i/?12306>

Research and development of quantification methods for aggregated energy flexibility = Agregeeritud energiapaindlikkuse kvantifitseerimismeetodi uurimine ja arendamine

Plaum, Freddy 2025 <https://digikogu.taltech.ee/et/Item/3e244995-0b3a-4efd-8f68-6e7e4268576f> https://www.ester.ee/record=b5746292*est <https://doi.org/10.23658/taltech.28/2025>

Retrofit cost-effectiveness : Estonian apartment buildings

Kuusk, Kalle; Kalamees, Targo Building research & information 2016 / p. 920-934 : ill <https://doi.org/10.1080/09613218.2016.1103117>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Revision of REHVA nZEB technical definition for nearly zero energy buildings

Kurnitski, Jarek Magyar épületgepszet 2012 / p. 14-19 : ill

Riigi kogutoodang ja energiatarbimine

Risthein, Endel Elektriala 2002 / 5, lk. 24-25

Riigikogu arutas elektrihinna alandamise võimalusi [Võrguväljaanne]

goodnews.ee 2021 ["Riigikogu arutas elektrihinna alandamise võimalusi"](#)

Roheline mõtteviis ja tehisintellekt käivad käsikäes

postimees.ee 2025 <https://roheline.postimees.ee/8230756/roheline-motteviis-ja-tehisintellekt-kaivad-kasikaes>

Rohepöörde poolt ja vastu

Kurnitski, Jarek Postimees 2023 / Lk. 13 <https://dea.digar.ee/article/postimees/2023/01/17/14.6>

Samm lähemale jätkusuutlikkusele : väljakutse tõi TalTechi instituudile kopsaka energiasäästu

Sarv, Mari Õo digi.geenius.ee 2023 [Samm lähemale jätkusuutlikkusele: väljakutse tõi TalTechi instituudile kopsaka energiasäästu](#)

A Scoping Review of Energy Consumption in Industrial Robotics

Muru, Johannes; Rassõlkin, Anton Machines 2025 / art. 542 <https://doi.org/10.3390/machines13070542>

Seadus : saagu hoonetest energijaamad!

Kurnitski, Jarek Inseneeria 2015 / lk. 34-36, 38, 40 : ill https://artiklid.elnet.ee/record=b2720904*est

Selection of a green logical data warehouse schema by anti-monotonicity constraint

Ghabri, Issam; Bellatreche, Ladjel; **Ben Yahia, Sadok** SOFSEM 2020: Theory and Practice of Computer Science : 46th International Conference on Current Trends in Theory and Practice of Informatics, SOFSEM 2020, Limassol, Cyprus, January 20-24, 2020 : Proceedings 2020 / p. 350-361 https://doi.org/10.1007/978-3-030-38919-2_29 [Conference proceedings at Scopus](#) [Article at Scopus](#)
[Conference proceedings at WOS](#) [Article at WOS](#)

Sensitivity of a lumped-capacitance building thermal modelling approach for energy-market-scale flexibility studies

Rasku, Topi; Simson, Raimo; Kiviluoma, Juha Buildings 2024 / art. 1614 <https://doi.org/10.3390/buildings14061614> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sissejuhatus energiatehnikasse

Risthein, Endel 2007 http://www.ester.ee/record=b2290665*est

Socio-economic impacts of large-scale deep energy retrofits in Finnish apartment buildings

Hirvonen, Janne; Saari, Arto; Jokisalo, Juha; Kosonen, Risto Journal of cleaner production 2022 / art. 133187, 19 p. : ill <https://doi.org/10.1016/j.jclepro.2022.133187> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solar PV Generation and Consumption Dataset of an Estonian Residential Dwelling

Hasan, Sayeed; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri Scientific Data 2025 / art. 481 <https://doi.org/10.1038/s41597-025-04747-w>

Soojustarbimise analüüsimine temperatuuri kestuskõvera põhjal

Kõiv, Teet-Andrus Keskkonnatehnika 2000 / 3, lk. 14 : ill https://artiklid.elnet.ee/record=b1004019*est

Säästuvõimalustest elektrienergia tarbimisel

Risthein, Endel Keskkonnatehnika 2000 / 4, lk. 30-32 : ill https://artiklid.elnet.ee/record=b1004562*est

Südame täitumismahuga seostuv energiatarve : projekt ETF212 "Südame täitumismahuga seostuv energiatarve", 2007-2009

Min, Mart Eesti Teadusfondi aastaraamat 2010-2011 2011 / lk. 17-18 : fot

System-level data format exploration for dynamically allocated data structures

Ellervee, Peeter; Miranda, Miguel; Catthoor, Francky; Hemani, Ahmed IEEE transactions on computer-aided design of integrated circuits and systems 2001 / 12, p. 1469-1472 : ill <https://ieeexplore.ieee.org/abstract/document/969440>

Taastuenergiate kasutus Saksamaal Mecklenburg-Vorpommerni liidumaal

Lumiste, Rünno TEUK XIII : taastuvate energiaallikate uurimine ja kasutamine : kolmeteistkümnenda konverentsi kogumik : [10. november 2011, Tartu] = Investigation and usage of renewable energy sources : thirteenth conference proceedings : [10. November 2011, Tartu] 2011 / lk. 77-85

Tall buildings cluster form rationalization in a Nordic climate by factoring in indoor-outdoor comfort and energy

De Luca, Francesco; Naboni, Emanuele; Lobaccaro, Gabriele Energy and buildings 2021 / art. 110831, 16 p. : ill
<https://doi.org/10.1016/j.enbuild.2021.110831> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tallinna Tehnikaülikooli eesmärgiks on nullilähedane heide aastaks 2035

Bioneer.ee 2025 <https://bioneer.ee/tallinna-tehnika%C3%BClikooli-eesm%C3%A4rgiks-nullil%C3%A4hedane-heide-aastaks-2035>

TalTech ootab logistikasektorilt koostööd

Transport ja Logistika : infoleht 2020 / lk. 2 https://www.ester.ee/record=b1975868*est

TalTechi professor Eduard Petlenkov: kõige puhtam on energia, mida ei pea tootma

Petlenkov, Eduard; Küla, Janar; Täkker, Siim ari.geenius.ee 2023 [TalTechi professor Eduard Petlenkov: kõige puhtam on energia, mida ei pea tootma](#)

Tark elektrivõrk Smart grid

Preden, Jürjo-Sören Keskkonnatehnika 2011 / 8, lk. 28-29 https://keskkonnatehnika.ee/wp-content/uploads/2017/09/KKT_2011_08.pdf

Tarmo Soomere: tuleviku võti on elektriiaam minu aias

Soomere, Tarmo Postimees 2020 / fot <https://arvamus.postimees.ee/7073454/tarmo-soomere-tuleviku-voti-on-elektriiaam-minu-aias>

Teadlased selgitasid välja asjade interneti seadmete energiavajaduse

Härmat, Karin Mente et Manu 2021 / lk. 33 [Mente et Manu 2/2021](#)

Technical definition for nearly zero energy buildings

Kurnitski, Jarek The REHVA European HVAC journal 2013 / p. 22-28 : ill

Tehnosüsteemide eluea ökonoomika

2003 http://www.ester.ee/record=b1809695*est

The indoor climate and energy consumption of educational buildings

Kõiv, Teet-Andrus; Mikola, Alo; Karro, Ulli-Kaisa WSEAS transactions on environment and development 2014 / p. 366-373 : ill
<https://www.wseas.org/multimedia/journals/environment/2014/a205715-204.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

Thermal performance of evacuated tube and flat plate solar collectors in Nordic climate conditions

Loginov, Dmitri; Kõiv, Teet-Andrus; Maivel, Mikk; Kalda, Kalev International journal of mechanical engineering and technology 2015 / p. 81-91 : ill

Thermal performance of prefabricated multistory houses in Tallinn, Estonia, based on IR survey

Kauppinen, T.T.; Hyartt, Jarmo; **Sasi, Lennart** An International Conference on Thermal Sensing and Imaging Diagnostic Applications, 22-25 April 1997, Orlando, Florida 1997 / p. [3056-10]

Throughput and channel aware MAC scheduling for SmartBAN standard

Khan, Rida; Alam, Muhammad Mahtab; Paso, Tuomas; Haapola, Jussi IEEE Access 2019 / p. 63133-63145 : ill
<https://doi.org/10.1109/ACCESS.2019.2916159> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tuleviku elektriareid võib vähendada nutikas algoritm [Võrguväljaanne]

Harrik, Airika novaator.err.ee 2022 ["Tuleviku elektriareid võib vähendada nutikas algoritm"](#)

Tuleviku võti on elektri ja minu aias

Soomere, Tarmo Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 203-207 https://www.ester.ee/record=b5521198*est
<https://arvamus.postimees.ee/7073454/tarmo-soomere-tuleviku-voti-on-elektrijaam-minu-aias>

Tuule võimsuse ja elektrienergia tarbimise korrelatsioon Eesti läänerrannikul

Tomson, Teolan; Leppiman, Ando Taastuvate energiaallikate uurimine ja kasutamine : neljanda konverentsi kogumik = Investigation and usage of renewable energy sources : fourth conference proceedings : Tartu, Estonia, 2003 2003 / lk. 64-71 : ill

Tööhõive energiasäästu kaudu - kriisi leevendamiseks

Sutt, Jüri Postimees 2009 / 28. mai, lk. 15 <https://arvamus.postimees.ee/124733/juri-sutt-toohoive-energiasaastu-kaudu-kriisi-leevendamiseks>

Tööstusettevõtete ööpäevaste energiatarvete matemaatiline modelleerimine

Liik, Olev; Meldorf, Mati; Valtin, Juhan XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 98 https://www.ester.ee/record=b1322611*est

Töötajad on tihti haiged? Teadlane: "Hea sisekliima aitab tervena püsida ja paremini tööle keskenduda."

Hallik, Liina ohtuleht.ee 2023 [TÖÖTAJAD ON TIHTI HAIGED?](https://ohtuleht.ee/2023/05/01/tootajad-on-tihti-haiged/) Teadlane: "Hea sisekliima aitab tervena püsida ja paremini tööle keskenduda."

Undesirable usage of energy in residential house

Niitsoo, Jaan; Palu, Ivo 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 126-128 : ill

Use of value stream mapping for evaluation of load conservation and peak clipping possibilities [Electronic resource]

Melsas, Raivo; Rosin, Argo 2017 IEEE International Conference on Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) : 6-9 June, 2017, Milan, Italy : conference proceedings 2017 / [6] p. : ill. [DVD] <https://doi.org/10.1109/EEEIC.2017.7977549>

Uses of the digital twins concept for energy services, intelligent recommendation systems, and demand side management : a review

Onile, Abiodun Emmanuel; Machlev, Ram; Petlenkov, Eduard; Levron, Yoash; Belikov, Juri Energy reports 2021 / p. 997-1015 <https://doi.org/10.1016/j.egyrs.2021.01.090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uusi büroohooneid ehitatakse kapitaalselt ümber

Kalamees, Targo EhitusEST 2023 / lk. 28-29 : fot https://www.ester.ee/record=b4442657*est

Uute kortermajade kaldteed neelavad meeletult elektrit. Seetõttu võivad ka arved paisuda ootamatult suureks

Tigasson, Külli-Riin ekspress.ee 2024 [Uute kortermajade kaldteed neelavad meeletult elektrit. Seetõttu võivad ka arved paisuda ootamatult suureks](https://ekspress.ee/2024/05/01/uute-kortermajade-kaldteed-neelavad-meeletult-elektrit-seetottu-voivad-ka-arved-paisuda-ootamatult-suureks/)

World Energy Council Estonia annual conference on ERR News

news.err.ee 2023 [World Energy Council Estonia annual conference on ERR News](https://news.err.ee/1007447/world-energy-council-estonia-annual-conference-on-err-news)

Üks tehisintellekti vastus kulutab Google'ist 10 korda rohkem energiat – AI-buum viib Eesti taastuvenergia vajaduse uuele tasemele

rohe.geenius.ee 2024 [Üks tehisintellekti vastus kulutab Google'ist 10 korda rohkem energiat – AI-buum viib Eesti taastuvenergia vajaduse uuele tasemele](https://rohe.geenius.ee/2024/05/01/üks-tehisintellekti-vastus-kulutab-google-ist-10-korda-rohkem-energiat-ai-buum-viib-estni-taastuvenergia-vajaduse-uuele-tasemele/)

Ükski tark pole taevast tulnud : energia säästlik kasutamine

Kask, Ülo; Kask, Livia; Kask, Eha 2011 https://www.ester.ee/record=b2684315*est

В будущем "умный" алгоритм сможет уменьшить счета за электричество [Online resource]

Harrik, Airika rus.err.ee 2022 ["В будущем "умный" алгоритм сможет уменьшить счета за электричество"](https://rus.err.ee/1007447/v-budushem-umnyy-algoritm-smozhet-umnyshit-scheta-za-elektrichestvo)

Введение в энерготехнику

Risthein, Endel 2008 https://www.ester.ee/record=b2412915*est

Дорожает и будет дорожать [Online resources]

Petrova, Irina МК-Эстония : самый читаемый еженедельник страны МК-Estonia 2022 / с. 18-19 <https://dea.digar.ee/article/mkestonija/2022/05/18/20.1>

Исследование потребления электроэнергии промышленными предприятиями в особые дни

Valtin, Juhan; Novikova, L. XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 59-60 https://www.ester.ee/record=b1322629*est

Йыхвиские служащие Сил обороны получили современную казарму [Online resources]
severnojepoberezhje.postimees.ee 2022 [Йыхвиские служащие Сил обороны получили современную казарму](#)

Крупенский: люди делают выбор в пользу энергоэффективности [Online resource]
Krupenski, Igor Stolitsa.ee 2021 ["Крупенский: люди делают выбор в пользу энергоэффективности"](#)

Латышов : включайте технику при низкой биржевой цене [Online resource]
Stolitsa.ee 2021 ["Латышов: включайте технику при низкой биржевой цене "](#)

Моделирование абсорбционных аппаратов на основе структуры их энергопотребления
Pikkov, Lui Тезисы докладов III Всесоюзного совещания по проблеме "Абсорбция газов", 5-7 мая 1987 года г. Таллин. Ч. 2
1987 / с. 108-109 : илл https://www.ester.ee/record=b2164108*est

Потребление тепла и воды в многоквартирных домах в Эстонии
Hääl, Kaido; Aro, Teuvo; Jyrkkäranta, Jyri; Laaksonen, Arto 1999 https://www.ester.ee/record=b1378461*est

Технико-экономическое обоснование автономной системы электроснабжения на примере Псковской области
Bandurin, Ivan; Shchelikalın, Vyacheslav; Smirnova, Anastasia; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas Вестник
Псковского государственного университета. Технические науки 2016 / с. 100-109

Эйнари Кизель: государство прекратит субсидирование любых производителей электроэнергии
Kisel, Einari rus.err.ee 2025 <https://rus.err.ee/1609732641/jejnari-kizel-gosudarstvo-prekratit-subsidirovanie-ljubyh-proizvoditelej-jelektrojenergii>

[Экономия энергии в квартирном доме]
Hääl, Kaido; Laur, Toomas; Sasi, Lennart; Vares, Villu 2006 https://www.ester.ee/record=b2270947*est